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## Long-distance casting spool for fishing reels

### Claims

- 10 1. Long-distance casting spool for fishing reels, with a  
spool body (2) comprising a spool base (3) and limit  
flanges (4, 5) on both sides, where the limit flange (4)  
pointing in the run-off direction is provided with a ra-  
15 dially outer spool lip (6), via which a fishing line that  
can be wound up in the circumferential winding direction  
(s) perpendicular to the spool axis (a) can run off in the  
run-off direction (z) roughly parallel to the spool axis,  
c h a r a c t e r i s e d i n t h a t the spool lip (6)  
20 displays a number of retaining fins (7), distributed  
evenly over the circumference, in that the base end (8) of  
each retaining fin (7) is permanently connected to the  
spool body (2), in that the free ends of the retaining  
fins (7) extend obliquely in the direction opposite the  
25 winding direction (s), and in that the retaining fins (7)  
have a radially outer, longitudinal side designed as a fin  
lip (9).
2. Long-distance casting spool according to Claim 1,  
c h a r a c t e r i s e d i n t h a t the retaining  
30 fins (7) are provided with a run-off arch (10) inclined in  
the run-off direction (z) of the fishing line arrangeable  
on the long-distance casting spool.
3. Long-distance casting spool according to Claim 1 or 2,  
c h a r a c t e r i s e d i n t h a t at least four re-  
35 taining fins (7) are provided.

4. Long-distance casting spool according to one of Claims 1 to 3, characterised in that at least nine retaining fins (7) are provided.

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5. Long-distance casting spool according to one of Claims 1 to 4, characterised in that the retaining fins (7) extend from the spool body (2) at a fin angle ( $\mu$ ) of less than  $90^\circ$ , said fin angle ( $\mu$ ) being formed at the base end (8) of the respective retaining fin (7), between the circumferential tangent and the slope of the fin lip (9).

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6. Long-distance casting spool according to Claim 5, characterised in that the fin angle ( $\mu$ ) has a value between  $30^\circ$  and  $60^\circ$ .

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7. Long-distance casting spool according to Claim 5 or 6, characterised in that the fin angle ( $\mu$ ) has a value between  $40^\circ$  and  $50^\circ$ .

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8. Long-distance casting spool according to one of Claims 5 to 7, characterised in that the fin angle ( $\mu$ ) is in the region of  $45^\circ$ .

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9. Long-distance casting spool according to one of Claims 1 to 8, characterised in that the fin lip (9) displays a continuously curved profile, at least one direction component of whose radius of curvature points towards the spool base (2).

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10. Long-distance casting spool according to one of Claims 1 to 9, characterised in that the retaining fins (7) in each case display a triangular shape, one tip (11) of which forms the free fin end and the side of which opposite the tip (11) is permanently connected to

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the long-distance casting spool (1).

11. Long-distance casting spool according to Claim 10,  
c h a r a c t e r i s e d i n t h a t the retaining  
5 fins (7) are in each case designed as a triangle with a  
sickle-shaped tip (11).
12. Long-distance casting spool according to one of Claims 1  
to 11, c h a r a c t e r i s e d i n t h a t the fin  
10 lips (9) are ground in the run-off direction (z) of the  
windable fishing line.
13. Long-distance casting spool according to one of Claims 1  
to 12, c h a r a c t e r i s e d i n t h a t the di-  
15 ameter of the spool base (3) decreases towards the rear  
limit flange (4) with the retaining fins (7).
14. Long-distance casting spool according to one of Claims 1  
to 13, c h a r a c t e r i s e d i n t h a t the re-  
20 taining fins (7) are attached to the rear limit flange (4)  
in detachable fashion.
15. Long-distance casting spool according to one of Claims 1  
to 14, c h a r a c t e r i s e d i n t h a t the rear  
25 limit flange (4) is connected to the long-distance casting  
spool (1) in detachable fashion.
16. Long-distance casting spool according to one of Claims 1  
to 13, c h a r a c t e r i s e d i n t h a t the long-  
30 distance casting spool (1) is manufactured in one piece.
17. Long-distance casting spool according to one of Claims 1  
to 16, c h a r a c t e r i s e d i n t h a t at least  
35 the retaining fins (7) are manufactured from a friction-  
reducing material, or coated with a friction-reducing ma-  
terial.